

Thermal Inkjet

Videojet® 8520 Wolke m610® print sample guide




Clear, consistent codes

The Videojet 8520 and Wolke m610 printers are among the highest resolution industrial inkjet printers in the market. This is accomplished through the use of HP® thermal inkjet cartridges, which have a maximum print resolution of 600 x 600 dpi. High resolution means clear, easy to read alphanumeric characters, while enabling more complex coding options and the ability to print 1-dimensional bar codes (UPC, GS1 128), alternate fonts, logos, and the increasingly popular 2-dimensional codes such as GS1 DataMatrix and Quick Response (QR) codes. The benefits do not stop there. Because the cartridge contains the printhead and ink supply, there is no costly maintenance associated with pumps, filters, or tubing. There are no messy ink changes or nozzle washdown procedures. Ultimately, the simple design translates to easy operation through fast cartridge replacement. The 8520 and m610 thermal inkjet printers meet the needs of a variety of applications.



Consumption Chart

Font Height (mm)	Code Dimensions (mm)	Approx. Number of Codes Per Cartridge	Print Sample
3.0	3 x 21	538,000	9-30-2019
3.0	3 x 32	359,000	EXP 9-30-2019
3.0	7 x 20	269,000	9-30-2019 A62835T
3.0	7 x 32	186,000	EXP 9-30-2019 LOT A62835T
2.0	9 x 39	124,000	 GTIN 0345312000011 EXP 09-25-19 LOT ABCD1234
2.5	12.7 x 36	56,000	 2 94761 52937 9
1.8	12.7 x 70	27,000	 {10}0114254(99)11:21

All samples shown above were printed at 300 x 300 dpi with Premium Black ink (part # WLK660068).
Ink consumption varies based on the print resolution selected.













Line speed vs. horizontal resolution of Videojet and Wolke printers

The maximum line speed of 8520 and m610 printers is determined only by the horizontal resolution setting of the code printed. The code height is a function of the number of printheads selected, and is independent of the production line speed. See chart below for details. Regardless of whether the code is a single line of text, multiple lines of text, tall bar codes, complex graphics, or any combination thereof, productivity will never be compromised by the amount of content required in the code.

Vertical Resolution (dpi)			Max Line Speed (metres/min.)	Max Print Height (inches/mm)
Horizontal Resolution (dpi)		600	300	8520, m610 touch, m610 advanced, m610 oem
	600	LOT A62835T 9-30-19	LOT A62835T 9-30-19	30.5
	450	LOT A62835T 9-30-19	LOT A62835T 9-30-19	39.6
	360	LOT A62835T 9-30-19	LOT A62835T 9-30-19	48.8
	300	LOT A62835T 9-30-19	LOT A62835T 9-30-19	61.0
	240	LOT A62835T 9-30-19	LOT A62835T 9-30-19	76.2
	200	LOT A62835T 9-30-19	LOT A62835T 9-30-19	91.4
	180	LOT A62835T 9-30-19	LOT A62835T 9-30-19	100.6
	150	LOT A62835T 9-30-19	LOT A62835T 9-30-19	121.9

All samples shown above were printed with Premium Black ink (part # WLK660068). 300 x 300 dpi represents the industry standard for coding primary packaging. Typical dry times are 1-2 seconds. While print resolutions below 300 x 300 dpi may improve the dry time, increasing the print resolution may result in longer dry times. Please contact your Videojet representative for a complimentary evaluation.

Capabilities to meet just about any specification — including bar codes, fonts, graphics and more.

Description	Print Sample		
<p>Linear bar codes Wide range of bar codes for automatic identification. UPC A&E; EAN 8 & 13; Code 128 A, B&C; UCC/EAN 128; Code 39; Interleaved 2 of 5.</p> <p><i>(Samples shown were printed at 300 x 300 dpi using Premium Black ink)</i></p>	 <p>1234 5670</p> <p>EAN 8</p>  <p>1234567890</p> <p>Code 39</p>	 <p>1 234567 890128</p> <p>EAN 13</p>  <p>1 23456 78901 2</p> <p>UPC-A</p>	 <p>1234567890</p> <p>EAN 128</p>  <p>1234567890</p> <p>Codabar</p>
<p>2D codes Wide range of standard 2D and rectangular 2D DataMatrix, including GS1</p> <p><i>(Samples shown were printed at 300 x 300 dpi using Premium Black ink)</i></p> <p><i>Note: Not all 2D codes available on all printers</i></p>	 <p>DataMatrix</p>  <p>(01)12345678901237 (17)110718</p> <p>GS1 Databar - Stacked</p>  <p>(01)12345678901237 (17)110718</p> <p>GS1 Databar - Limited</p>		 <p>QR Code</p>  <p>MicroPDF 417</p>
<p>Logos and graphics</p>			
<p>Font sizes User-defined font sizes are fully adjustable. All TrueType® fonts available on 8520/m610 advanced, oem and touch models.</p>	<p>2mm Arial 3mm Arial 5mm Arial</p> <p>12mm</p>		
<p>Specialty fonts For use with Optical Character Recognition</p>	<p>Videojet Technologies Videojet Technologies</p> <p>OCR - A OCR - B</p>		

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